

OMS Implementation Lessons Learnt: Tennessee

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Evaluation of OMS in TN

- **Contact investigations**
 - TB case in a large factory (1.0.6)
 - Outbreak exercise: SARS (1.1.46)
- **Contact investigation and management**
 - Perinatal hepatitis B program (1.1.46/48)
 - TB contact form (1.1.48)
- **Replication (1.1.48)**

Evaluation of OMS in TN

Program Areas

- Immunization
- Tuberculosis
- Public health preparedness
- General communicable diseases
- Sexually transmissible diseases

Evaluation of OMS in TN

- **Disciplines**
 - Epidemiologists
 - Disease investigators
 - Public health nurses
 - Clerical staff (date entry)
 - Information technology:
 - Network technical specialists
 - System administrators

Assistance Received/Feedback

- **CDC OMS team**
 - Installation/ restoration of database
 - Logical Data model (cases/contacts in version 1.0.6)
 - Additional functionality including:
 - Configuration (jurisdiction/ search page)
 - Supplementary data fields
 - Interaction with NBS/ local state database PTBMIS
 - Analysis
 - Replication

Training Provided by CDC

- **Webinars- prerequisite for TTT**
- **Train the trainer (TTT)**
 - **3 sessions @ 4-5 hours**
 - **Regional field staff : epidemiologist + one additional person (e.g., CDC nurse)**
 - **Central office staff including program staff**
 - **IT staff (central office, regional: network technical specialist)**

Training: Lessons Learnt

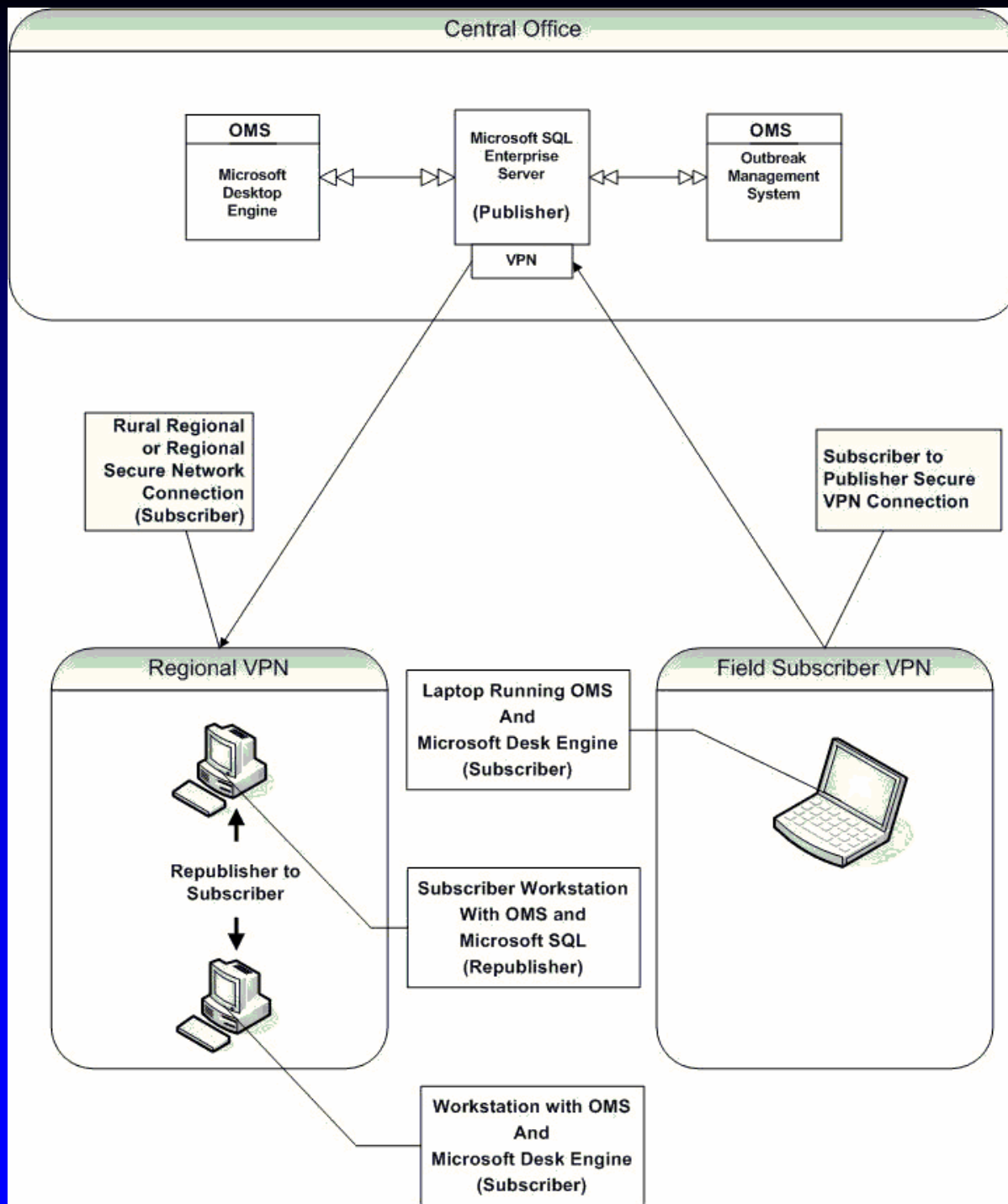
- **Configuration utility/ manager:**
 - Include epidemiologists, not just IT staff
- **MS SQL basic introduction for epidemiologists. e.g., restoring databases**

Training: Lessons Learnt

- Replication training
 - Satellite video conference- screen resolution too small for recording on a video— Webinar may be a better option
 - Need to have licenses of MS-SQL personal edition and OMS installed

Deployment

- **System configuration**
- **Security**
- **Replication**
- **IT project plan**
 - **Hardware**
 - **Software (MS SQL server processor license)**
- **Acquisition of license/ funding**
- **Prevention of duplicate entries of entities & their relationships (policies and procedures)**



Wish List

- (1) INTEROPERABILITY with NBS and our public health clinical management system (OMS to send and receive standardized messages from these systems)**
- (2) INTEROPERABILITY with NBS and our public health clinical management system (OMS to send and receive standardized messages from these systems)**
- (3) INTEROPERABILITY with NBS and our public health clinical management system (OMS to send and receive standardized messages from these systems)**

Wish List

- **Configuration**
 - **Jurisdiction: TN's 13 regions rather than 95 counties (reflects PH infrastructure)**
 - **Ability to name/ search for an outbreak (agent, location, dates) and restrict view to that outbreak (this would allow using one database for one condition for multiple outbreaks)**
 - **Ability to (at will) restrict persons/entities viewed to only one or more jurisdictions rather than the whole state plus restrict view to one outbreak**
 - **Modifications to some SRTs**